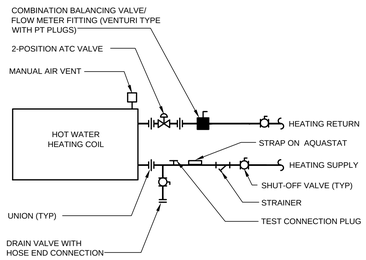
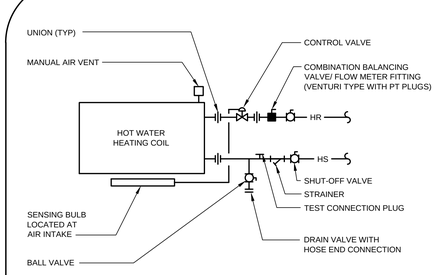


1 CABINET HEATER PIPING DETAIL

NO SCALE

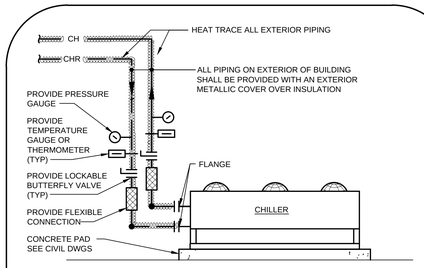
MD0007



2 CONVECTOR PIPING CONNECTION DETAIL

NO SCALE

MD0008

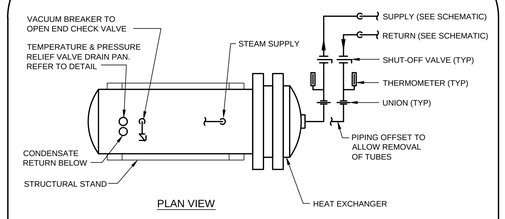


3 CHILLER PIPING DETAIL

NO SCALE

MD0031A

NOTES:
1. IF CHILLER HAS MULTIPLE CONNECTIONS, PROVIDE PIPING AS SHOWN ABOVE WITH ALL ACCESSORIES AS SHOWN ABOVE FOR EACH SET OF CONNECTIONS.
2. CHILLER FLOW SWITCH SHALL BE PROVIDED BY CHILLER MANUFACTURER.

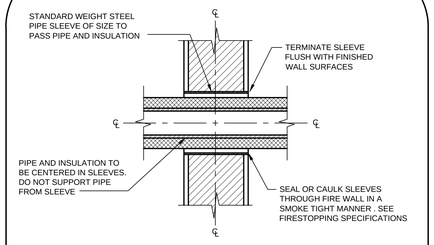


PLAN VIEW

4 STEAM TO HEATING WATER CONVERTOR DETAIL

NO SCALE

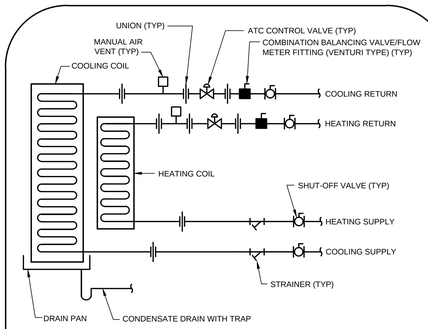
MD0115



13 PIPE SLEEVE DETAIL

NO SCALE

MD0023

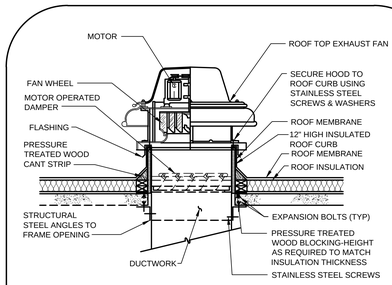


5 4-PIPE FAN COIL UNIT PIPING DETAIL

NO SCALE

MD0061A

NOTES:
1. INSULATE ALL FAN COIL PIPING.
2. ALL PIPING, VALVES & PIPING SPECIALTIES INDICATED SHALL BE FACTORY INSTALLED UNLESS OTHERWISE NOTED.
3. UNIT MANUFACTURER SHALL CAREFULLY COORDINATE PIPING ENTRANCE LOCATIONS.

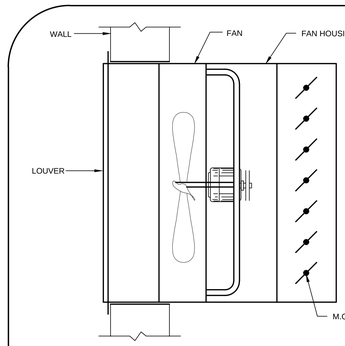


6 ROOF EXHAUST FAN DETAIL

NO SCALE

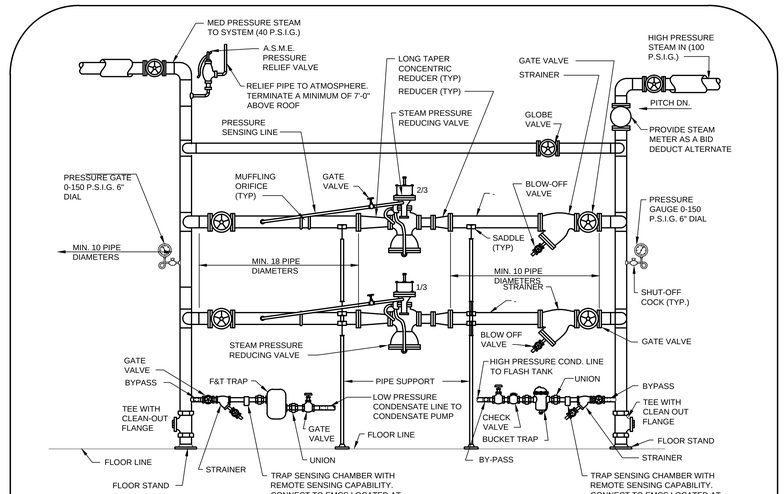
MD0062

NOTES:
1. CURBS AND FANS SHALL BE FROM SAME MANUFACTURER.
2. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.



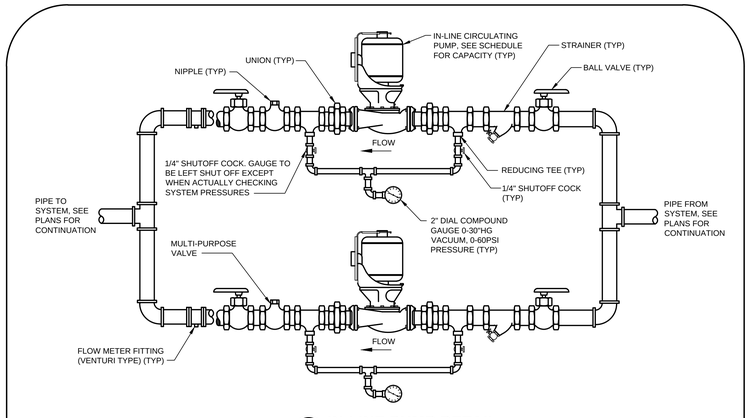
7 WALL MOUNTED PROPELLER FAN DETAIL

NO SCALE



8 STEAM PRESSURE REDUCING STATION

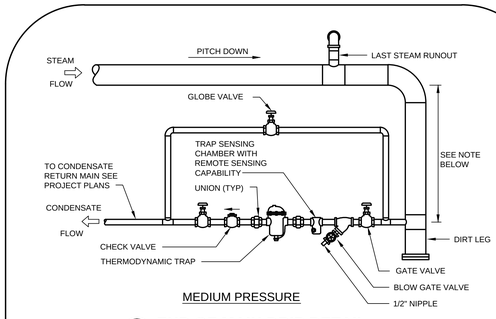
NO SCALE



9 IN-LINE PUMP DETAIL

NO SCALE

NOTES:
1. PROVIDE MINIMUM LENGTH OF STRAIGHT PIPING UPSTREAM OF FLOW METER FITTING AS RECOMMENDED BY THE MANUFACTURER .
2. WHERE TWO PUMPS ARE PIPED TO A COMMON MANIFOLD AND OPERATE AS A PRIMARY AND STAND-BY (LEAD-LAG ARRANGEMENT) ONE FLOW METER FITTING MAY BE UTILIZED IN THE COMMON MANIFOLD PIPE.
3. THE MULTI-PURPOSE VALVE SHALL BE USED FOR THROTTLING AND THE FLOW METER FITTING SHALL BE USED FOR FLOW MEASUREMENT.



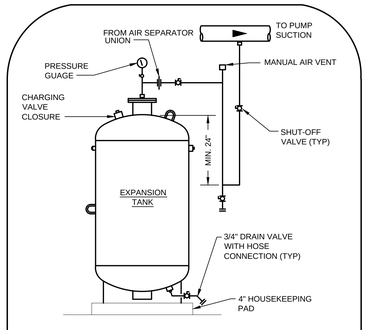
MEDIUM PRESSURE

10 END OF MAIN DRIP DETAIL

NO SCALE

SD0001

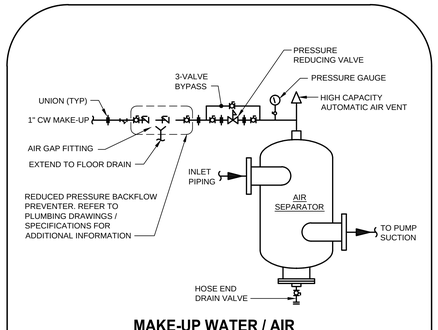
NOTE: LENGTH FOR SYSTEMS WITH AUTOMATIC STRAINER START UP SHALL BE 28" OR MORE. LENGTH FOR SYSTEMS WITH SUPERVISED START UP SHALL BE 1.5 TIMES MAIN DIAMETER NEVER SHORTER THAN 8".



11 EXPANSION TANK DETAIL

NO SCALE

MD0116



12 MAKE-UP WATER / AIR SEPARATOR PIPING DIAGRAM

NO SCALE

MD0117

FINAL DOCUMENTS SUBMISSION

PDG 110105.07

Additions:	Date:
Revisions:	

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Drawing Scale:	
Drawing Start Date:	
Drawing Finish Date:	
Drawing Approved:	

Drawing Title: MECHANICAL DETAILS

Approved: Associate Director for Operations:

Approved: Chief, Facilites Engineer:

Approved: Director, Medical Center:

Project Title: REPLACE BUILDING 6 HVAC

Building No: 6 | Checked: SMM | Drawn: CCH

Location: VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE

Date: 07/09/2012

Project No: 460-12-204

DRAWING NO: M-6

Dwg. 13 Of 21

DEPARTMENT OF VETERANS AFFAIRS

BKM# 070360.090